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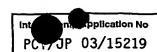
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PREFORM FOR PRODUCING PLASTIC OPTICAL COMPONENTS, METHOD OF FABRICATING THE PREFORM, AND PLASTIC OPTICAL FIBER

(57) Abstract: Disclosed is a method of manufacturing a preform for producing a plastic optical component comprising a graded-index core portion and a cladding portion in which the refractive index of the core portion continuously decreases from its center to the outer radius, and the refractive index of the cladding portion is smaller than that of the center of the core portion by 0.03 or more, comprising a first step of fabricating a polymer hollow tube for the cladding portion in which the inner wall of the polymer hollow tube has an arithmetic mean roughness of less than 0.4 m; and a second step of polymerizing a polymerizable composition in the hollow portion of the hollow tube to thereby form the core portion.



INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B29D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 B29D

Ocumentat	tion searched other than minimum documentation to the extent ti	hat such documents are included in the fields se	arched
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Date of the	e actual completion of the international search	Date of mailing of the International se	arch report
17 March 2004		25/03/2004	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Roberts, P	

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